

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/656,314	VITANTONIO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Shay L. Balsis	1744	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to 10/25/05.
  - 2. ☒ The allowed claim(s) is/are 22, 23-30, 31-48, 49 renumbered 1, 20-27, 2-19, 28.
  - 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    - 1. ☐ Certified copies of the priority documents have been received.
    - 2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  - 5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ul> | <ul style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ul> |
|---|--|

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

Claims 22, 23, 25 and 49 all include the limitation that there are a first and second head section that are separately slidable and pivotable with respect to one another. The first and second head sections are movable between a loading, use and unloading position.

Claim 22 further teaches the locations of the head sections when the tool is in the loading, use and unloading positions. The loading position allows both the head sections side and front edge to be aligned. In use position, the first and second heads are partially vertically displaced from each other. In unloading position, the first and second head sections are partially disengaged and slidable displaced one relative to the other.

Claim 23 further teaches that in use position, the first and second head sections are pivotally moved away from one another by rotations about an axis parallel to their corresponding edges.

Claim 25 further teaches that in the unloading position, the first and second head sections are slidably moved one relative to another, wherein two of the edges of each the first and second head sections are in partial contact and one of their edges are not aligned and are not in contact.

Claim 49 further teaches a cam and cam follower wherein the cam follower is attached at a first end directly to the cam and the second end is attached to the cam by a spring. The first end is positioned closest to the handle and the second end is positioned opposite the handle and closest to the front edge of the cleaning head. When the cam is rearwardly displaced, the cleaning head alternates from loading to use position and when the cam is forwardly displaced the cleaning head is in unloading position.

Art Unit: 1744

Claim 27 teaches the locations of the head sections when in loading, use and unloading positions. In loading position, the head sections are aligned. When using, the head sections are partially separated from one another in a first direction and when unloading, the head sections move apart in a second direction different from the first directions to expand the cleaning head.

Federico et al. (USPN 5630243), Hart et al. (PGPub 20040093678), Atkinson et al. (USPN 3225375) all teach toilet cleaning devices however all the devices, when in use position, have the first and second head sections are aligned with each other and when in unloading position, the first and second head sections are pivotally separated wherein none of the edges of the first and second head sections are aligned.

Leland (USPN 3383158) teaches a toilet cleaning device however, when in use position, the first and second head sections are aligned with each other. When in unloading position, the first and second head section slide relative to one another, however all three edges are aligned and in contact. Additionally, Leland's first and second head sections are only capable of sliding with respect to one another, not pivoting.

None of the prior art references teach the exact limitations of the claimed invention nor would it have been obvious to modify the prior art to achieve the claimed invention since there is lack of motivation to do so.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 1744

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shay L. Balsis whose telephone number is 571-272-1268. The examiner can normally be reached on 7:30-5:00 M-Th, alternating F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Kim can be reached on 571-272-1142. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Slb  
10/28/05

  
JOHN KIM  
SUPERVISORY PATENT EXAMINER